

14th Conference On Space Weather

As part of the 2017 Annual Meeting of the AMS, the Committee on Space Weather hosted the 14th Conference on Space Weather. Following the meeting theme of “Observations Lead the Way” the conference had several sessions focusing on observations. The session on the scientific uses of CubeSat included a discussion of the recent NAS study on CubeSats as well as several presentations on the novel ways these tiny satellites are being used to collect space-weather related data. A three-part session on Observational Platforms for space weather extended over the entire conference and presented key techniques being used to observe the sun, solar wind, magnetosphere, and ionosphere. Building on the observations another multi-part session of the conference was the scientific challenges in space weather and included presentations highlighting the top challenges facing space weather research in the next decade. The usual agency presentations were replaced with a panel discussion focused on steps the agencies are taking to respond to OSTP's Space Weather Action Plan. We had an entertaining session on the history of space weather including major events that nearly changed the world. A major highlight the meeting was the presentation on the upcoming 2017 total solar eclipse this August that will have the path of totality from coast to coast over the US.